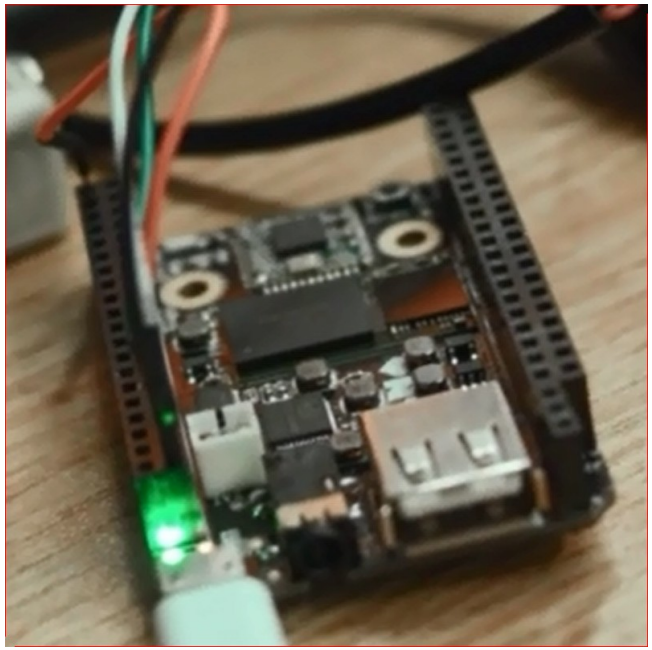
C.H.I.P, a mainlined $9 computer

NextThing Co / Free Electrons

What is demonstrated

A C.H.I.P prototype, running a 4.2 Linux Kernel and U-Boot 2015.07



Hardware Information

Allwinner R8 (Cortex A8), 512MB of RAM, 4GB of NAND

What was improved

Development of missing features in Linux :

- Support of the R8 SoC
- DRM/KMS driver
- MLC NAND support
- Power Management: suspend To RAM, cpuidle

Improvements to U-Boot:

- CHIP Support
- Android Fastboot support on NAND storage

Source code or detail technical information availability

Instructions at:
https://github.com/NextThingCo/CHIP-SDK